Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Monday 31 Jul 2023 until 23:59 on Tuesday 01 Aug 2023

Forecast Issued on Sunday 30 Jul 2023 at 12:41

Confidence: High confidence in the continuation of the unsettled theme. Only moderate confidence in forecast details over the next five days, particularly the timing and extent of rain and showers.

Headline for Monday 31 Jul 2023: Overnight rain clearing. Then bright spells and showers, some heavy at times.

Mountain weather hazards on Monday 31 Jul 2023

Blizzards
No Likelihood

Gales
No Likelihood

Thunderstorms
Low Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
No Likelihood

Heavy persistent rain
Low Likelihood

Storm force winds
No Likelihood

Poor visibility
Low Likelihood

Strong sunlight
Low Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Drizzle	Light rain showers (night)	Light rain showers	Light rain showers	Light rain showers	Heavy rain showers	Light rain showers	Light rain showers
Precipitation probability							
70%	60%	30%	50%	60%	60%	40%	30%

Forecast for Monday 31 Jul 2023

Weather: Overnight rain and drizzle will clear by dawn. However, a band of locally heavy showers is expected to push across the park in the early hours. Some bright spells during the morning, particularly towards Matlock, then cloudier through the afternoon. Frequent showers developing, turning locally heavy during the afternoon and evening. Outside chance of a thundery downpour. Fresh to strong westerly winds, especially gusty in and around showers.

Chance of cloud-free hill tops above 600m: 30% early on improving to 70%.

Low cloud and visibility: Extensive low cloud initially with bases around 400m, this clearing in the east by dawn and more gradually over western slopes. Cloud bases lifting with breaks developing by mid-morning, especially in the east. Bases remaining close to or just above the higher summits throughout, but lowering to about 500m in showers. Visibility poor in early drizzle and in heavy downpours, moderate in lighter showers. Very good visibility outside of showers.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Met Office Mountain Weather Forecast

Forecast for Monday 31 Jul 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	20/28 SW	22/29 W	20/27 SW	20/28 W	19/27 W	20/28 W	18/27 W	18/26 W	17/24 W
300	17/24 SW	16/24 SW	14/22 SW	14/22 W	15/23 SW	15/24 W	13/22 W	12/20 W	12/20 SW
Valley	10/23 SW	11/23 SW	11/22 SW	12/23 W	13/24 W	12/24 W	10/21 W	9/20 W	8/17 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/10	13/9	12/9	12/8	12/9	12/8	11/8	11/8	10/7
300	15/12	15/12	14/12	14/12	15/12	15/12	14/12	13/11	13/11
Valley	15/13	15/14	15/13	15/13	16/14	15/13	14/13	14/12	13/12
Freezing Level*	3000m	2400m	2500m	2500m	2500m	2500m	2600m	2500m	2300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Conditions deteriorating in showers through the afternoon for about an hour at a time, with low cloud shrouding many higher routes. Elevated UV levels possible in any cloud breaks, particularly towards the eastern Peaks.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sat 29 Jul 2023	0.2mm	0.4mm	34.4mm

Forecast for Tuesday 01 Aug 2023

Weather: Banks of low cloud lifting and breaking to give a bright day with plenty of sunny spells. Scattered showers may merge to give longer spells of rain, but easing through the afternoon to give a fine evening. Cloud thickening from the west late on, with a wide band of rain perhaps arriving by midnight. Moderate confidence in details.

Maximum wind: West 15-20mph, with gusts 25-30mph, turning southwest and easing late on.

Chance of cloud-free hill tops above 600m: 40% in the west initially, 70% elsewhere. Improving to 90% shortly after dawn. Perhaps 50% in the southwest towards midnight.

Low cloud and visibility: Banks of low cloud with bases around 600m, particularly affecting western facing slopes in the northern Peaks. Cloud then lifting and dissipating to give plenty of sunny spells. Bases likely remaining above summits for the remainder of the day, even in the vicinity of showers. Bases may lower from the west to around 400m if late rain arrives before midnight. Visibility very good, but moderate in showers. Possibly poor in late rain.

Temperature: **Valleys:** Plus 13 Celsius, rising to Plus 18 Celsius.
At 600m: Plus 11 Celsius, rising to Plus 15 Celsius.
Freezing level: Remaining well above summits.

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